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## (54) MODIFIED SOFT POLYPROPYLENE

### (57)Abstract:

PURPOSE: To provide the subject polypropylene composed of a soft PP, an unsaturated carboxylic acid (derivative) and an organic peroxide at specific ratios and having excellent adhesivity, heat-resistance, low-temperature impact strength and moldability.

CONSTITUTION: The objective PP is composed of (A) 100 pts.wt. of a soft PP [e.g. a PP polymer consisting of 10–90wt.% of a PP having an intrinsic viscosity of  $\geq 1.2 \text{ dl/g}$  and soluble in boiling heptane and 90–10wt.% of a PP having an intrinsic viscosity of 0.5–9.0dl/g and insoluble in boiling heptane], (B) 0.2–15 pts.wt. (preferably 0.5–10 pts.wt.) of an unsaturated carboxylic acid (derivative) (preferably maleic anhydride) and (C) 0.01–0.5 pt.wt. (preferably 0.03–0.3 pt.wt.) of an organic peroxide (preferably having a decomposition temperature of 90–130° C, e.g. dicumyl peroxide).

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## LEGAL STATUS

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